

1 **Amendment to the Claims**

2 **In the Claims:**

3 Please amend Claims 18 and 29 as indicated below.

4 1. (Previously Presented) A method for delivering batches of data to a client, while  
5 maintaining a user's state within a database table, the method comprising the steps of:

6 receiving a request for a first batch of records to be retrieved from the database table  
7 maintained by a database server;

8 retrieving the first batch of records from the database server;

9 determining a maximum value for at least one field in the first batch of records;

10 receiving a request for a second batch of records;

11 determining whether the request for the second batch of records was for a next batch of data,  
12 wherein the request for the second batch of records specifies a value for the at least one field that has  
13 a specific relationship relative to the maximum value for the at least one field in the first batch of  
14 records, to indicate whether the request is for the next batch of data; and

15 in response to a determination that the request for the second batch of records was for the next  
16 batch of data, based on the value specified in the request for the second batch of records being greater  
17 than the maximum value for said at least one field in the first batch of records, retrieving the next  
18 batch of data from the database server.

19 2. (Previously Presented) The method of Claim 1, wherein the request for the second batch of  
20 records is a Structured Query Language (SQL) statement.

21 3. (Previously Presented) The method of Claim 2, further comprising the step of storing the  
22 maximum value for inclusion in a subsequent request for a batch of records.

23 4. (Previously Presented) The method of Claim 2,

24 wherein the SQL statement has the form:

25 SELECT TOP 20 \* FROM Table

26 WHERE

27 (Table.Field1 > Current Maximum Field1)

28 OR

29 (Table.Field1 = Current Maximum Field1 AND

30 Table.Field2 > Current Maximum Field2); and

1           wherein a Table clause represents the name of the database table, a Current Maximum  
2 Field1 represents a maximum value of a Field1 field in previously received records, and a Current  
3 Maximum Field2 represents a maximum value of a Field2 field in previously received records.

4           5. (Previously Cancelled)

5           6. (Original) The method of Claim 1, further comprising the step of providing the user with a  
6 previous button operative for initiating the request for a second batch of records.

7           7. (Original) The method of Claim 1, further comprising the step of providing the user with a  
8 next button operative for initiating the request for a second batch of records.

9           8. (Previously Presented) A system for delivering batches of database records to a client,  
10 while maintaining a user's state within a database table, comprising:

11           a database server operative for maintaining the database table, which has a plurality of  
12 database records;

13           a client computer, operative for requesting successive batches of the database records from  
14 the database server and presenting the batches of database records to the user, where each successive  
15 batch of database records requested can comprise a next batch of database records, relative to a last batch  
16 of database records requested by the client computer;

17           a web server operative for retrieving a batch of database records from the database server and  
18 for providing the batch of database records to the client computer, said web server determining  
19 whether successive batches of database records are the next batch of database records, relative to the  
20 last batch of database records requested by the client computer;

21           wherein the client computer accesses at least one field value contained in the last batch of  
22 database records retrieved to determine a maximum value for said at least one field, said maximum  
23 value being provided to the web server by the client computer; and

24           wherein the web server is further operative to determine whether to retrieve the next batch of  
25 database records from the database server, based on the maximum value of said at least one field  
26 value contained in the last batch of database records retrieved, said web server retrieving the next  
27 batch of database records from the database server if the next batch of database records contains a  
28 value for said at least one field that is greater than the maximum value of said at least one field in the  
29 last batch of database records retrieved.

30           9. (Previously Cancelled)

1           10. (Previously Cancelled)

2           11. (Previously Presented) The system of Claim 8, wherein the web server does not maintain  
3 a record of the user's state within the database table.

4           12. (Previously Presented) The system of Claim 11, wherein the database server does not  
5 maintain a record of the user's state within the database table.

6           13. (Previously Presented) The system of Claim 12, wherein the database server does not  
7 create a partitioned database.

8           14. (Previously Presented) The system of Claim 8, wherein the client computer does not  
9 maintain a record of the user's state within the database table.

10          15. (Previously Presented) A computer-readable medium having computer-executable  
11 instructions for delivering batches of data from a database server to a client, maintaining a user's state  
12 within a database table, by performing steps comprising:

13           receiving a request for a first batch of records to be retrieved from the database table  
14 maintained by the database server;

15           providing the first batch of records to the client, wherein the first batch of records has a  
16 maximum value for at least one field;

17           receiving a request from the client for a second batch of records to be retrieved from the  
18 database table, said request for the second batch of records specifying a value for the at least one  
19 field;

20           determining if the request for the second batch of records from the database table was for a  
21 next batch of data, relative to the first batch of records, wherein the value for the at least one field  
22 specified in the second request has a specific relationship relative to the maximum value for the at  
23 least one field in the first batch of records, so that if the value specified is determined to be greater  
24 than the maximum value of said at least one field for the first batch of records, the request for the  
25 second batch of records is determined to be for the next batch of data; and

26           in response to a determination of whether to provide the next batch of data, providing the  
27 second batch of records to the client as requested.

28          16. (Previously Presented) The computer-readable medium of Claim 15, wherein the step of  
29 determining does not require the database server to maintain a record of the first batch of records  
30 provided to the client.

1           17. (Previously Presented) The computer-readable medium of Claim 15, wherein the  
2 database server does not create a partitioned database.

3           18. (Currently Amended) A method for delivering batches of data to a client, while  
4 maintaining a user's state within a database table, the method comprising the steps of:

5           receiving a request for a first batch of records to be retrieved from the database table  
6 maintained by a database server;

7           retrieving the first batch of records from the database server;

8           determining a minimum value for at least one field in the first batch of records;

9           receiving a request for a second batch of records;

10          determining whether the request for the second batch of records was for a previous batch of  
11 data, wherein the request for the second batch of records specifies a value for the at least one field  
12 that has a specific relationship relative to the minimum value for the at least one field in the first  
13 batch of records, to indicate whether the request is for the previous batch of data; and

14          in response to a determination that the request for the second batch of records was for the  
15 previous batch of data, based on the value specified in the request for the second batch of records  
16 being less than the minimum value for said at least one field in the first batch of records, retrieving  
17 the previous batch of data from the database server.

18          19. (Previously Presented) The method of Claim 18, wherein the request for the second batch  
19 of records is a Structured Query Language (SQL) statement.

20          20. (Previously Presented) The method of Claim 19, further comprising the step of storing  
21 the minimum value for inclusion in a subsequent request for a batch of records.

22          21. (Previously Presented) The method of Claim 19,

23                 wherein the SQL statement has the form:

24                 SELECT TO 20 \* FROM

25                         (SELECT TOP 20 \* FROM Table

26                         WHERE

27                         (Table.Field1 < Current Maximum Field1)

28                         OR

29                         (Table.Field1 = Current Minimum Field1 AND

30                         Table.Field2 < Current Minimum Field2)

1 ORDER BY Table.Field1 DESC, Table.Field2 DESC); and  
2 wherein a Table clause represents the name of the database table, a Current  
3 Minimum Field1 represents a minimum value of a Field1 field in previously received records, and a  
4 Current Minimum Field2 represents a minimum value of a Field2 field in previously received  
5 records.

6 22. (Previously Presented) The method of Claim 18, further comprising the step of providing  
7 the user with a previous button operative for initiating the request for a second batch of records.

8 23. (Previously Presented) A system for delivering batches of database records to a client,  
9 while maintaining a user's state within a database table, comprising:

10 a database server operative for maintaining the database table, which has a plurality of  
11 database records;

12 a client computer, operative for requesting successive batches of the database records from  
13 the database server and presenting the batches of database records to the user, where each successive  
14 batch of database records requested can comprise a previous batch of database records, relative to a last  
15 batch of database records requested by the client computer;

16 a web server operative for retrieving a batch of database records from the database server and  
17 for providing the batch of database records to the client computer, said web server determining  
18 whether successive batches of database records are the previous batch of database records, relative to  
19 the last batch of database records requested by the client computer;

20 wherein the client computer accesses at least one field value contained in the last batch of  
21 database records retrieved to determine a minimum value for said at least one field, said minimum  
22 value being provided to the web server by the client computer; and

23 wherein the web server is further operative to determine whether to retrieve the previous  
24 batch of database records from the database server, based on the minimum value of said at least one  
25 field value contained in the last batch of database records retrieved, said web server retrieving the  
26 previous batch of database records from the database server if the previous batch of database records  
27 contains a value for said at least one field that is less than the minimum value of said at least one field  
28 in the last batch of database records retrieved.

29 24. (Previously Presented) The system of Claim 23, wherein the web server does not  
30 maintain a record of the user's state within the database table.

1           25. (Previously Presented) The system of Claim 24, wherein the database server does not  
2 maintain a record of the user's state within the database table.

3           26. (Previously Presented) The system of Claim 25, wherein the database server does not  
4 create a partitioned database.

5           27. (Previously Presented) The system of Claim 23, wherein the client computer does not  
6 maintain a record of the user's state within the database table.

7           28. (Previously Presented) A computer-readable medium having computer-executable  
8 instructions for delivering batches of data from a database server to a client, maintaining a user's state  
9 within a database table, by performing steps comprising:

10           receiving a request for a first batch of records to be retrieved from the database table  
11 maintained by the database server;

12           providing the first batch of records to the client, wherein the first batch of records has a  
13 minimum value for at least one field;

14           receiving a request from the client for a second batch of records to be retrieved from the  
15 database table, said request for the second batch of records specifying a value for the at least one  
16 field;

17           determining if the request for the second batch of records from the database table was for a  
18 previous batch of data, relative to the first batch of records, wherein the value for the at least one field  
19 specified in the second request has a specific relationship relative to the minimum value for the at  
20 least one field in the first batch of records, so that if the value specified is determined to be less than  
21 the minimum value of said at least one field for the first batch of records, the request for the second  
22 batch of records is determined to be for the previous batch of data; and

23           in response to a determination of whether to provide the previous batch of data, providing the  
24 second batch of records to the client as requested.

25           29. (Currently Amended) The computer-readable medium of Claim 28, wherein the step of  
26 determining does not require the database server to maintain a record of the first batch of records  
27 provided to the client.

28           30. (Previously Presented) The computer-readable medium of Claim 28, wherein the  
29 database server does not create a partitioned database.  
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